

RECEIVED
CENTRAL FAX CENTER

MAY 19 2004

FAX TRANSMISSION

DATE: May 19, 2004

OFFICIAL
U.S. PATENT AND
TRADEMARK OFFICEPTO IDENTIFIER: Application Number 09/886,400
Patent Number

Inventor: Dennis MURPHY et al.

MESSAGE TO: US Patent and Trademark Office

FAX NUMBER: (703) 872-9306

FROM: MORRISON & FOERSTER LLP

Gregory P. Einhorn

PHONE: (858) 720-5133

Attorney Dkt. #: 564462000320

PAGES (Including Cover Sheet): 23

CONTENTS: Fee Transmittal (1 page + 1 copy for processing);
Transmittal (1 page);
Petition for Extension of Time (1 page);
Response and Amendment (15 pages);
Declaration Under 37 C.F.R. Section 1.132 (3 pages)

If your receipt of this transmission is in error, please notify this firm immediately by collect call to sender at (858) 720-5133 and send the original transmission to us by return mail at the address below.

This transmission is intended for the sole use of the individual and entity to whom it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. You are hereby notified that any dissemination, distribution or duplication of this transmission by someone other than the intended addressee or its designated agent is strictly prohibited.

MORRISON & FOERSTER LLP
3811 Valley Centre Drive, Suite 500, San Diego, California 92130
Telephone: (858) 720-5100 Facsimile: (858) 720-5125

SD-200187

PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	09/886,400
		Filing Date	June 20, 2001
		First Named Inventor	Dennis MURPHY
		Art Unit	1652
		Examiner Name	D. M. Ramirez
Total Number of Pages in This Submission	23	Attorney Docket Number	564462000320

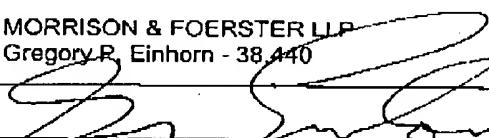
ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form + 1 copy	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply - 15 pgs.	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation/Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Extension of Time Request - 1 pg.	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Declaration Under 37 C.F.R. Section 1.132 - 3 pgs.
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)		
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

Remarks

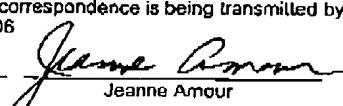
CUSTOMER NUMBER 25226

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	MORRISON & FOERSTER LLP Gregory R. Einhorn - 38440
Signature	
Date	May 19, 2004

Certificate of Transmission by Facsimile

I hereby certify that this correspondence is being transmitted by facsimile to the USPTO on the date indicated below to central fax number 703 872-9306

5/19/04
Date of Transmission
Jeanne Amour

SD-200190

PTO/SB/17 (10-03)
Approved for use through 7/31/2008. OMB 0651-0032
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) **210.00**

<i>Complete if Known</i>	
Application Number	09/686,400
Filing Date	June 20, 2001
First Named Inventor	Dennis MURPHY
Examiner Name	D. M. Ramirez
Art Unit	1652
Attorney Docket No.	564462000320

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None

Deposit Account:

Deposit Account Number: **03-1952**

Deposit Account Name: **Morrison & Foerster LLP**

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity			
Fee Code	Fee Code	Fee (\$)	Fee Code	Fee (\$)
1051	130	2051	85	Surcharge - late filing fee or oath
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet
1053	130	1053	130	Non-English specification
1812	2,520	1812	2,520	For filing a request for ex parte reexamination
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action
1251	110	2251	55	Extension for reply within first month
1252	420	2252	210	Extension for reply within second month
1253	950	2253	475	Extension for reply within third month
1254	1,480	2254	740	Extension for reply within fourth month
1255	2,910	2255	1,005	Extension for reply within fifth month
1401	330	2401	185	Notice of Appeal
1402	330	2402	165	Filing a brief in support of an appeal
1403	290	2403	145	Request for oral hearing
1451	1,310	1451	1,510	Petition to institute a public use proceeding
1452	110	2452	55	Petition to revive - unavoidable
1453	1,330	2453	665	Petition to revive - unintentional
1501	1,330	2501	665	Utility issue fee (or reissue)
1502	480	2502	240	Design issue fee
1503	840	2503	320	Plant issue fee
1460	130	1460	130	Petitions to the Commissioner
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)
1808	180	1808	180	Submission of Information Disclosure Stmt
8021	40	8021	40	Recording each patent assignment per property (times number of properties)
1609	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(i))
1610	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))
1801	770	2801	385	Request for Continued Examination (RCE)
1802	900	1802	900	Request for expedited examination of a design application

SUBTOTAL (1) (\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	-20** =	Extra Claims	Fee from below	Fee Paid
Independent Claims	-3** =	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multiple Dependant		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

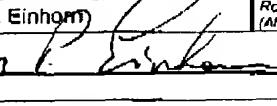
Large Entity	Small Entity			
Fee Code	Fee Code	Fee (\$)	Fee Code	Fee (\$)
1202	18	2202	9	Claims in excess of 20
1201	88	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	88	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

*** or number previously paid, if greater. For Reissues, sum above*

SUBTOTAL (3) (\$) 210.00

SUBMITTED BY

Name (Print/Type)	Gregory P. Einhorn	Registration No. (Attorney/Agent)	38,440	Telephone	(858) 720-5133
Signature		Date	May 19, 2004		

Certificate of Transmission by Facsimile

I hereby certify that this correspondence is being transmitted by facsimile to the USPTO on the date indicated below to central fax number 703-872-9306

5/19/04 
 Date of Transmission Jeanne Amour

50-200193

PTO/SB/17 (10-03)
 Approved for use through 7/31/2006. OMB 0651-0032
 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEET TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 210.00)

Complete if Known

Application Number	09/866,400
Filing Date	June 20, 2001
First Named Inventor	Dennis MURPHY
Examiner Name	D. M. Ramirez
Art Unit	1652
Attorney Docket No.	564462000320

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None
 Deposit Account:

Deposit Account Number 03-1952

Deposit Account Name Morrison & Foerster LLP

The Director is authorized to: (check all that apply)

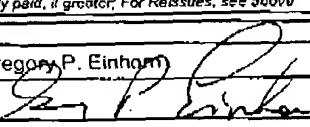
Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

FEET CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 305	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1) (\$)		0.00	210.00
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE			
Total Claims	-20** =	Extra Claims x Fee from below =	Fee Paid
Independent Claims	-3** =	Independent Claims x Fee from below =	Fee Paid
Multiple Dependent			
Large Entity		Small Entity	
Fee Code (\$)	Fee Code (\$)	Fee Description	
1202 18	2202 9	Claims in excess of 20	
1201 86	2201 43	Independent claims in excess of 3	
1203 290	2203 145	Multiple dependent claims, if not paid	
1204 86	2204 43	** Reissue independent claims over original patent	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2) (\$)		0.00	210.00
*Reduced by Basic Filing Fee Paid			
SUBTOTAL (3) (\$)			

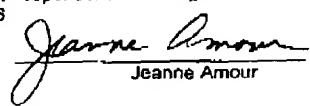
** or number previously paid, if greater. For Reissues, see above

SUBMITTED BY		(Complete if applicable)	
Name (Print/Type)	Gregory P. Einhorn	Registration No. (Attorney/Agent)	38,440
Signature		Telephone	(858) 720-5133

Certificate of Transmission by Facsimile

I hereby certify that this correspondence is being transmitted by facsimile to the USPTO on the date indicated below to central fax number 703 672-9306

5/19/04
 Date of Transmission


 Jeanne Amour

**Duplicate Copy
For Fee Processing**

SD-Z00193

Attorney's Docket No.: 56446-20003.20/-004005/D1120-4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Murphy, et al.

Art Unit : 1652

Serial No. : 09/886,400

Examiner : Delia M. Ramirez, Ph.D.

Filed : June 20, 2001

Title : ALPHA GALACTOSIDASES AND METHODS FOR MAKING AND USING
THEM (AMENDED)RECEIVED
CENTRAL FAX CENTERCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

MAY 19 2004

RESPONSE AND AMENDMENT

OFFICIAL

Sir:

Responsive to the non-final office action, mailed December 19, 2003, Applicants respectfully request entry of the amendments and consideration of the remarks set forth herein.

A response was initially due March 19, 2004. Applicants herein submit a petition for a two month extension of time to May 19, 2004, under 37 C.F.R. §1.136, with the appropriate fee under 37 C.F.R. §1.17. Accordingly, this Response is timely filed.

The amendments are reflected in the listing of claims which begin on page 2 of this paper.

Remarks begin on page 9 of this paper.

The following documents are also enclosed herewith:

- Transmittal letter, and Petition for Extension of Time;
- Fee Transmittal;
- Rule 132 declaration by Dr. Jay Short;
- Facsimile cover sheet.

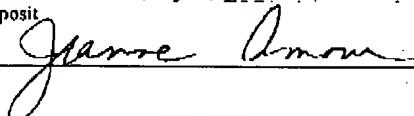
CERTIFICATE OF MAILING BY FACSIMILE

I hereby certify under 37 CFR §1.8(a) that this correspondence is being transmitted to the USPTO to central fax number 703 872-9306 on the date indicated below.

Date of Deposit

May 19, 2004

Signature



Jeanne Amour

Typed or Printed Name of Person Signing Certificate

sd-200174